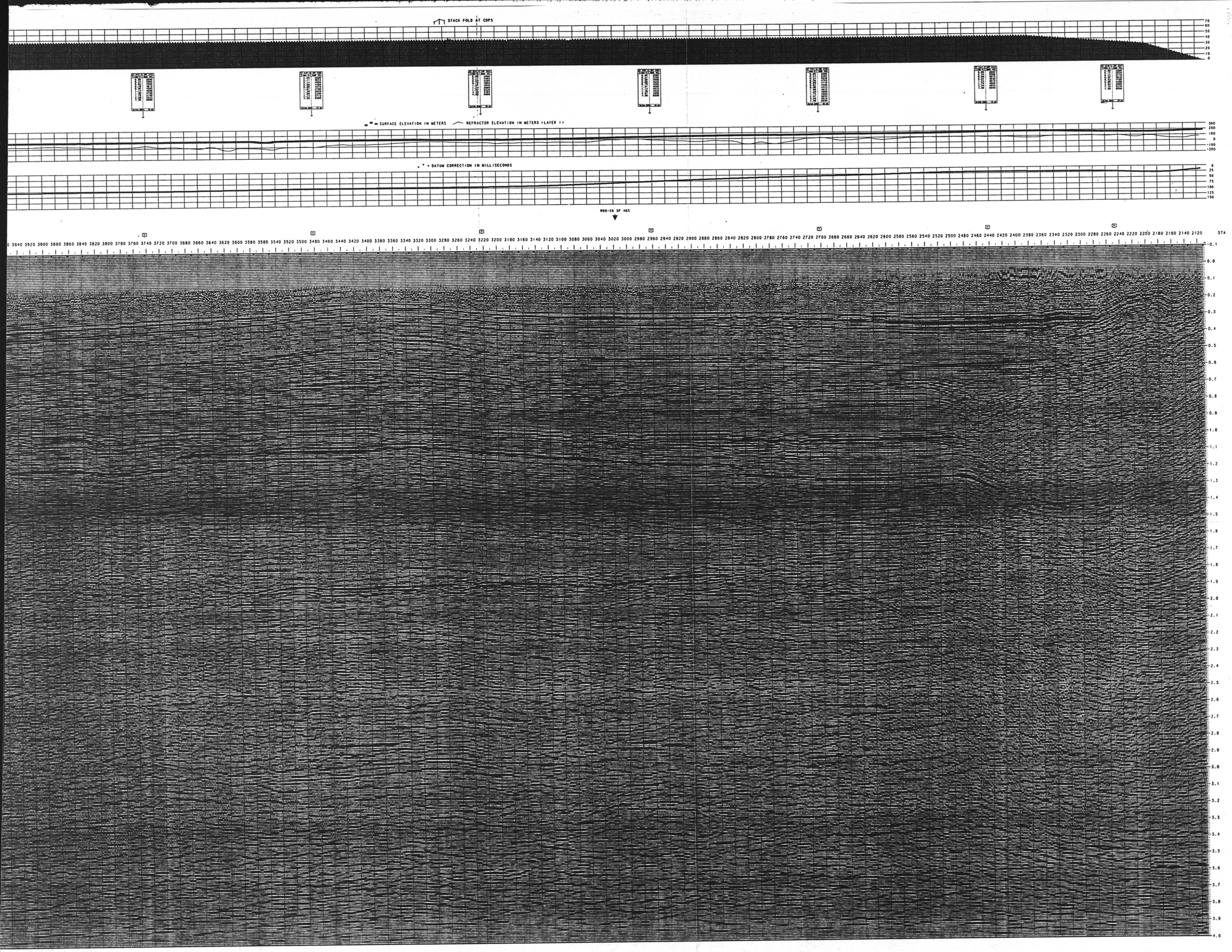

9229-W27-1P

LINE: W96-01A
SHOT PTS. 2109-4377
MIGRATION SECTION
NORMAL POLARITY

PROPRIETARY DATA OF WESTERN GEOPHYSICAL COMPANY OF AMERICA AND GEOPHYSICAL SERVICE INCORPORATED NOT TO BE SOLD OR TRADED

NORTHWEST

WESTERN GEOPHYSICAL COMPANY AND GEOPHYSICAL SERVICE INCORPORATED

LINE: W96-01A
MACKENZIE BASIN 1996
NORTHWEST TERRITORY

REPLACEMENT VELOCITY: 2500 M/SEC
DATUM PLANE: 200 M
DATE: 04/30/96
SEISMIC PROCESSING CENTER: JOB # 9947
APPROVED BY: JR/BH

RECORDING INFORMATION:

RECORDED FOR: WESTERN GEOPHYSICAL
RECORDED BY: WESTERN GEOPHYSICAL
PARTY: 96
DATE: 04/04/96

SOURCE:
TYPE: WINDERS
NUMBER OF SOURCES: 5 VIBS; 3 A SWEEPS
SOURCE INTERVAL: 50 M
PLOT LENGTH: 4 SEC

SPREAD:
NO. OF GROUPS RECORDED: 360
GROUP INTERVAL: 25M; 5 NOMINAL
SOURCE INTERVAL: 50 METERS
STATION INTERVAL: 25 METERS

SPREAD GEOMETRY
SPREAD TYPE: 360 1X1 180 1
SPREAD LENGTH IN METERS: 4475 (2X 50 + 88 1X1 180 1)
SPREAD DIRECTION: NORTHEAST

RECORDING UNIT:
MAKE / MODEL: WI(1)-1000 (24 BIT)
SAMPLE RATE: 2 MS
RECORD LENGTH: 4 SEC
LOW CUT FILTER: NONE
HIGH CUTOFF/ SLOPE: 250 HZ / 72 DB/OCT
NOTCH FILTER / DB HZ: NONE

DETECTORS:
TYPE: LRS-1011
NATURAL FREQUENCY: 14 HZ

Western Geophysical

PROCESSING SEQUENCE:

1. FORMAT CONVERT:
   DEMULTIPLEX DATA: 2 BY
   PROCESS DATUM CONDITN: 4.0 SEC
2. PRE-PROCESSOR:
   GEOMETRY COMPUTATION:
   GEOMETRIC SPREADING
   FIELD STATIC COMPUTATION: DATUM ELEVATION = 200 METERS
   CORR VEL. = 2500 M/SEC
3. OFFSET CONSISTENT AMPLITUDE RECOVERY
4. REFRACTION STATICS: V1 = 2500 M/SEC
5. DECONVOLUTION:
   TYPE: SURFACE CONSISTENT
   PREDICTIVE DISTANCE: MINIMUM PHASE INVERSE FILTER
   OPERATOR LENGTH: 80 MS
   STOP LATENCY: 200 MS
   STOP LATENCY WINDOWS: 2000 MS
   PREWHITENING: 1%
   PREWHITENING: .01%
6. SPECTRAL WHITENING: WHITENED FROM 10-95 HZ
7. VELOCITY ANALYSIS: VELANP
8. AUTOMATIC STATICS: W1SUMP (SURFACE CONSISTENT)
9. VELOCITY ANALYSIS: VELANP
10. AUTOMATIC STATICS: W1SUMP (SURFACE CONSISTENT)
11. VELOCITY ANALYSIS: VELANP
12. CDP TRIM STATICS:
    STACK FOLD: 2500 M
    MAX. SHIFT: 50 MS
    SHIFT: 1 MS
13. DIP MOVEOUT:
    RMS = 2750M; 1MS 12DB
14. STACK
15. FINITE DIFFERENCE MIGRATION
16. SPECTRAL WHITENING: WHITENED FROM 10-95 HZ
17. ANNUAL PREDICTIVE FILTER
18. TIME VARIANT FILTER:

TIME ZONE	LOW CUT	HIGH CUT
0-1.0	12 HZ/OCT	42 HZ/OCT
1.0-2.0	12 12	36 72
2.0-3.0	12 12	30 72
3.0-4.0	12 12	28 72

19. GAIN: TIME VARIANT TRACE EQUALIZATION
20. Z TO I SWM

DISPLAY:

HORIZONTAL SCALE: 1 IN = 550 M
50.0F TRACE INTERVALS = 1 KILOMETER

Canada K1G 3P5
Tel: (613) 731-9571
Fax: (613) 731-0453

PROJ. NO. 9229-W27-1 P LINE NO. W96-01A PART NO. 1 OF 2 R.R. 5.5X

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
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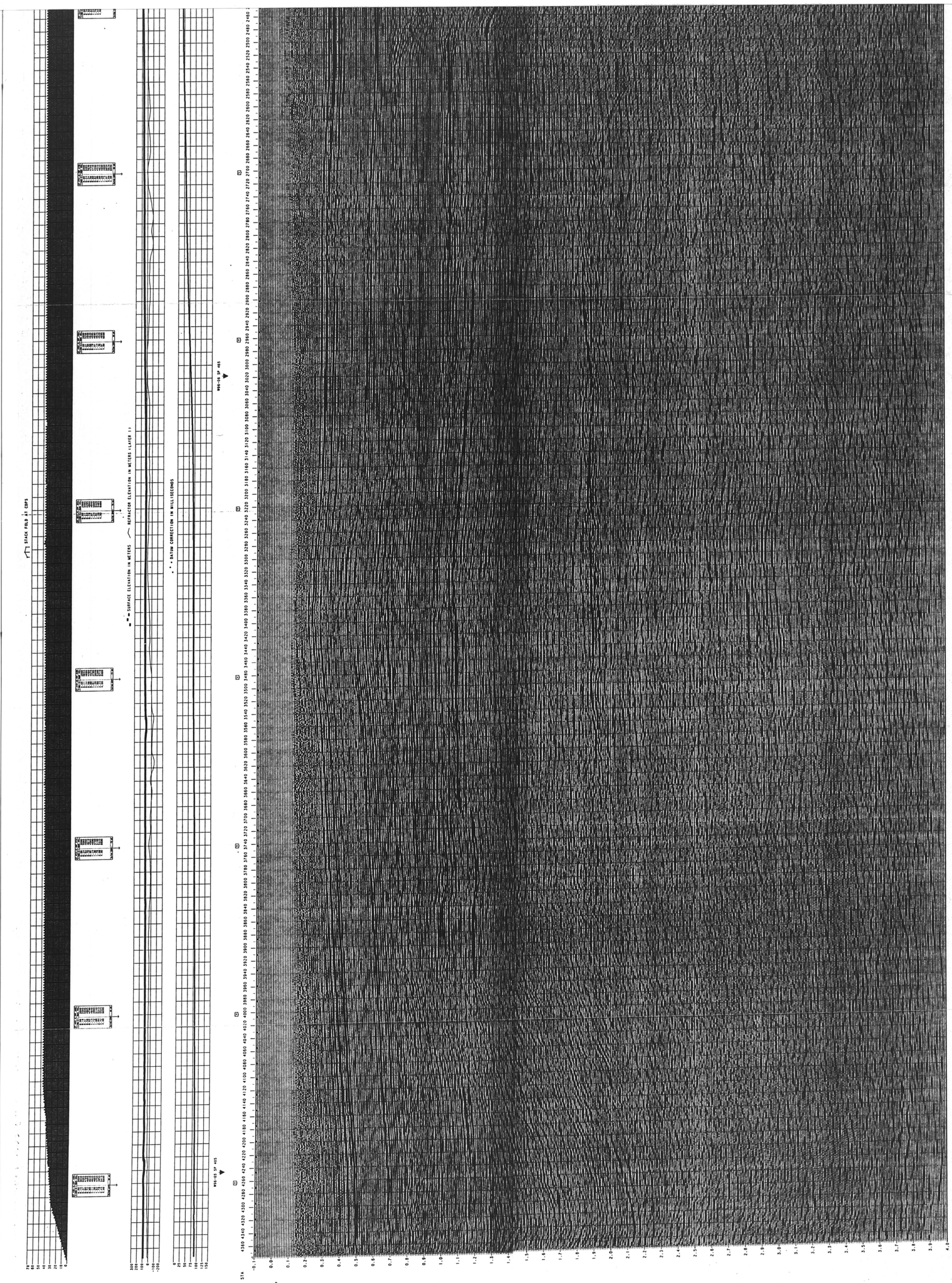
PROJ. NO. 9229-W27-1P LINE NO. W96-01A PART NO. 2 OF 2 R.R. 5.5X



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